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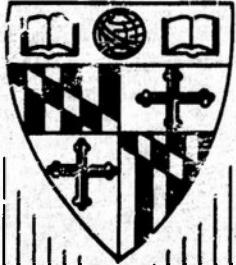
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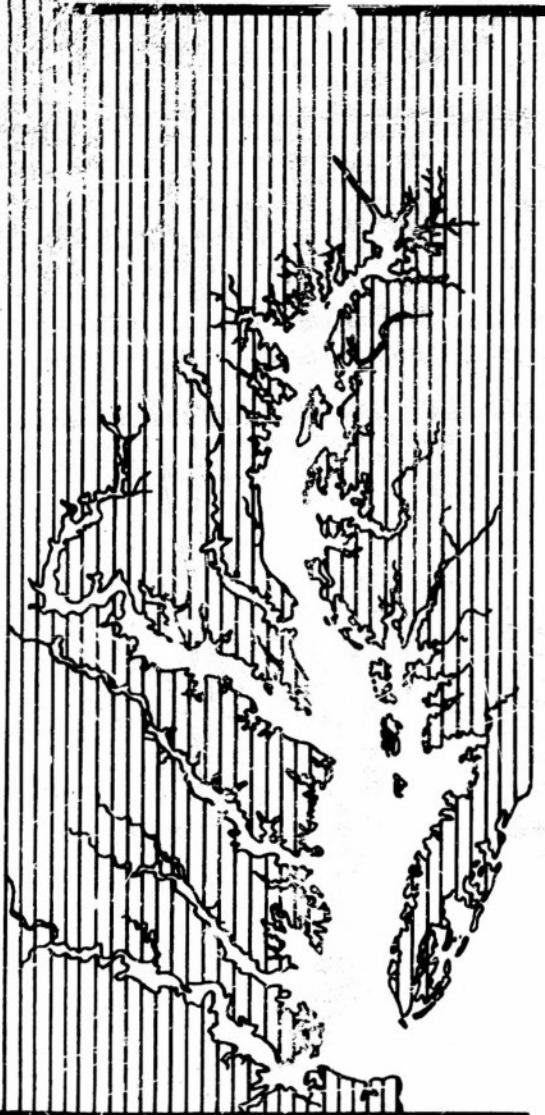
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THE CHESAPEAKE BAY INSTITUTE of The Johns Hopkins University



DATA REPORT 22

CHOPTANK RIVER AUTUMN CRUISE

23 Sept - 27 Sept 1952

Reference 54-9
November 1954

CHESAPEAKE BAY INSTITUTE
THE JOHNS HOPKINS UNIVERSITY

DATA REPORT 22

CHOPTANK RIVER AUTUMN CRUISE
23 Sept - 27 Sept 1952

This report contains results of work carried out for: the Office of Naval Research of the Navy Department under research project NR 083-016, Contract Nonr 248(20), and research project NR 083-070, Contract Nonr 248(30); the State of Maryland (Department of Research and Education); and the Commonwealth of Virginia (Virginia Fisheries Laboratory).

The presentation of data in this report does not constitute publication and the information may be subject to modification at a later date.

November 1954
Reference 54-9

D. W. Pritchard
Director

The data presented in this report were collected in the Choptank River during the period 23 September to 27 September 1952.

The purpose of this cruise was to study the physical and chemical structure of the area in the autumn season.

Location of Stations

An arbitrary line designating the mouth of the river was chosen from red nun buoy 16FF off James Island to black spar 3 off Sharps Island. The stations were chosen upstream from this line in the deepest part of the channel. The station designators consist of the letters CK followed by the numerals representing the number of nautical miles to the nearest mile upstream from the mouth. Thus CK-30 is the station 30 nautical miles upstream from the line designating the mouth of the river.

Station	North Latitude	West Longitude
CK-6	38°39'09"	76°18'02"
CK-12	38°38'42"	76°01'18"
CK-17	38°35'56"	76°05'04"
CK-20	38°34'22"	76°01'18"
CK-24	38°36'47"	75°58'52"
CK-26	38°38'32"	75°57'48"
CK-30	38°41'56"	75°58'37"

Current speed and direction were measured with the confined submerged drags described in "An Inexpensive and Rapid Technique for Obtaining Current Profiles in Estuarine Waters." by D. W. Pritchard and W. V. Burt, J. Mar. Res. V. 10, No. 2, 1951.

Temperature and salinity were determined by means of the Conductivity-Temperature Indicator (CTI). This is an instrument in which a nickel resistance thermometer and a conductivity cell have been combined to provide direct

continuous readings of water temperature and conductivity. The sensing elements are located in a single under water unit that can be lowered and raised on a two hundred and fifty foot cable. Two four-digit counters in portable units can be conveniently located on deck or in the ship's laboratory. Direct reading of temperature can be obtained in the range - 2.00°C to 32.00°C from one of the counters. Calibration of the thermal unit indicates that readings are within $\pm 0.05^\circ\text{C}$ of the true temperature. Direct conductivity readings in the range 0 to 50.00 millimhos can be obtained from the second counter. Salinity is obtained from the temperature and conductivity data with the aid of curves plotted from accepted functions of the three parameters. Field calibrations have been made by comparing data from the CTI with titrated values of chlorinity and temperatures from mercury thermometers. A calibration tank is being constructed which will allow simultaneous calibration of the thermal and conductivity units.

Oxygen was determined by the Winkler titration method.

pH was determined with a Beckman pH meter.

Inorganic phosphate analyses were made by the ceruleomolybdate method using stannous chloride as the reducing agent. All samples were centrifuged with a Foerst Centrifuge prior to analysis. Sample size was 50 ml. Within 10 to 20 minutes after addition of the stannous chloride, the transmission of the sample at a wave length of 700μ was measured using a Beckman Model DU Spectrophotometer or a Scripps Automatic Servo-Operated Photometer. Measurements were calibrated against standard KH_2PO_4 reference solutions. Analyses for inorganic phosphate were made on shipboard within two hours after the samples were drawn. No salt correction has been applied. An estimate of the precision of the method from triplicate analyses indicated

deviations of $\pm 10\%$ of the reported values.

The turbidity was determined with a Beckman Model DU Spectrophotometer by measuring the transmission through a 10 cm cell containing the sample at the indicated wave lengths. In order to minimize the interference by settling, samples for these analyses were drawn from the Nansen bottles or pumped samples immediately after they reached the deck laboratory. The results are expressed as extinction for each wave length.

The chlorophyll analyses were made by a method developed at the Chesapeake Bay Institute. This method consists of running a one liter sample through a Foerst Continuous Centrifuge in 15-18 minutes. The collected material is transferred to a 40 ml centrifuge tube with a rubber policeman and the cup rinsed with distilled water several times. The material is centrifuged and the supernatant decanted. Methyl alcohol is added and the sample is placed in the dark at room temperature for four to eight hours. After this time the sample is made up to 40 ml, the solids are centrifuged out, and the percent transmission of the supernatant fluid is determined at 500, 625, 635, 667, and 750 μ . The results have been corrected for background scattering and absorption by small particles and expressed as mygrams (10^{-6} grams) per liter.

Alkalinity was determined by the method found in "Rapid Electrometric Determination of the Alkalinity of Sea Water", by D. H. Anderson and R. J. Robinson, Industrial and Engineering Chemistry, Analytical Edition, Volume 18, No 12, 1946.

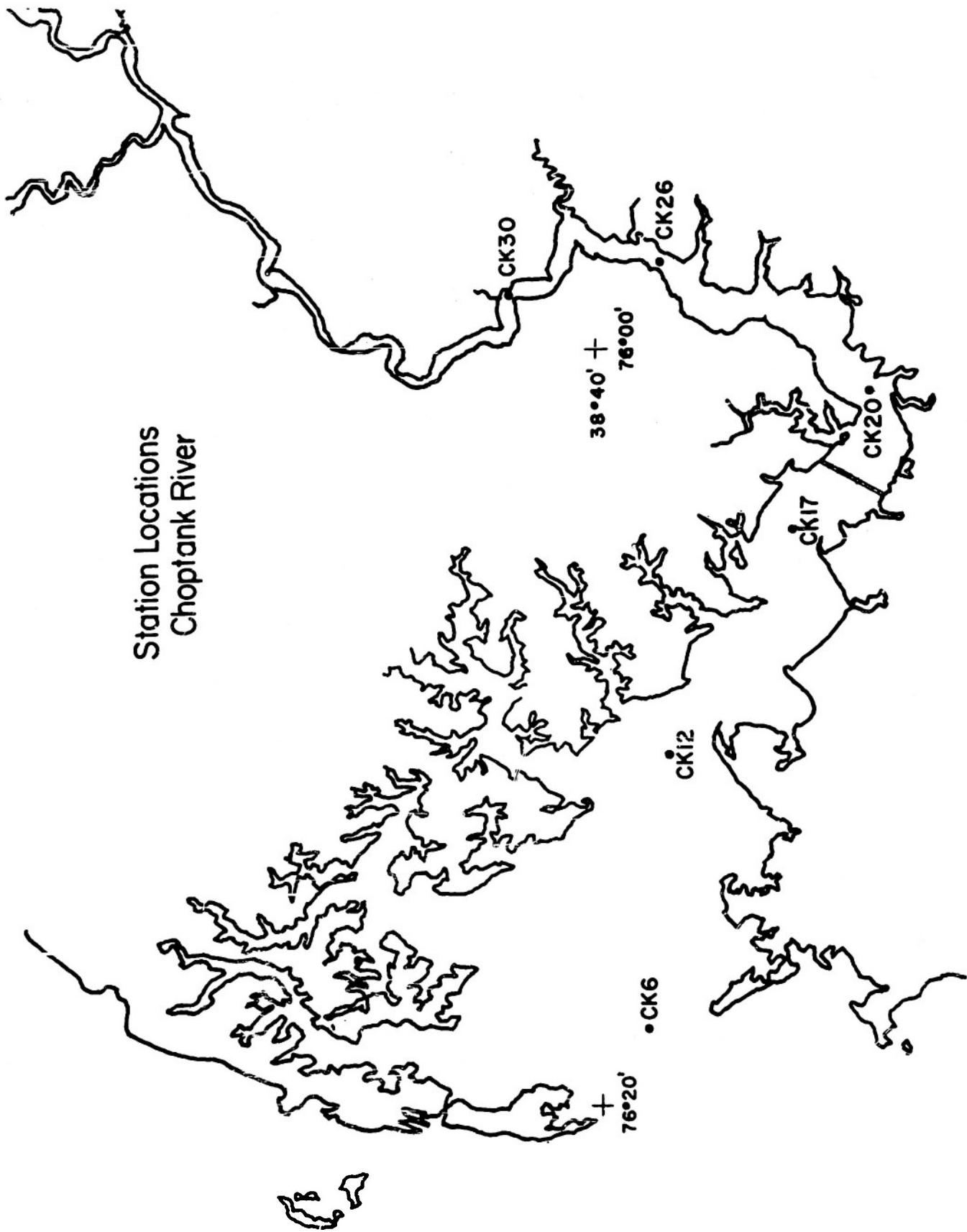
Weather is reported in the following code:

<u>Code</u>	<u>Description</u>
00	Cloudless (from no clouds up to 1/10 coverage)

<u>Code</u>	<u>Description</u>
01	Partly cloudy (from 1/10 to 5/10)
02	Cloudy (over 5/10 up to 9/10)
03	Overcast (over 9/10)
04	Low fog, on ground or at sea
05	Haze
07	Distant lightning
10	Precipitation within sight
11	Thunder, without precipitation
13	Squally weather
16	Waterspout seen
19	Signs of tropical storm
40	Fog
49	Fog in patches
51	Intermittent drizzle
52	Continuous drizzle
57	Drizzle and fog
58	Drizzle and rain, mixed
61	Intermittent rain
62	Continuous rain
67	Rain and fog
69	Rain and snow, mixed
71	Intermittent snow (in flakes)
72	Continuous snow (in flakes)
77	Snow and fog
78	Frozen drizzle (grains of snow)
79	Ice crystals or frozen rain drops
81	Rain showers
83	Snow showers
88	Hail, or rain and hail showers
93	Thunderstorm, with rain (or snow) but without hail
94	Thunderstorm, with hail
97	Heavy thunderstorm

Wind force is given in Beaufort scale units.

Station Locations
Choptank River



CK-6		1305 EST	Weather 05 Wind NNE-1 Air 23.3°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.52	13.05	172	0.27
5	22.49	13.08	258	0.28
10	22.23	13.33	262	0.31
15	22.04	13.67	270	0.21
20	22.32	14.37	281	0.14
25	22.50	15.19	0	0.00
30	22.65	15.70	192	0.12
35	22.93	17.08	085	0.29
40	23.01	17.69	087	0.36
45	23.11	18.07	088	0.26
48	23.20	18.55	--	--

CK-6		1500 EST	Weather 01 Wind NE-2 Air 32.2°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.60	12.38	136	0.38
5	22.56	12.72	054	0.22
10	22.15	13.17	059	0.22
15	22.06	13.21	065	0.43
20	22.10	13.30	064	0.43
25	22.20	14.47	062	0.48
30	22.76	15.46	059	0.46
35	22.83	16.90	055	0.58
40	23.02	17.95	056	0.55
45	23.05	18.05	057	0.41
48	23.06	18.08	--	--

CK-6		1400 EST	Weather 01 Wind NNE-1 Air 26.7°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.61	12.70	136	0.21
5	22.27	13.16	313	0.11
10	22.02	13.44	321	0.09
15	21.98	13.57	0	0.00
20	22.26	14.32	0	0.00
25	22.48	15.11	071	0.09
30	22.56	15.82	073	0.15
35	22.81	16.65	065	0.25
40	22.97	17.78	068	0.27
45	23.09	18.18	057	0.19
48	23.12	18.21	--	--

CK-6		1600 EST	Weather 01 Wind N-1 Air 32.2°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.35	12.40	093	0.58
5	22.35	12.40	051	0.58
10	22.18	12.83	050	0.55
15	22.20	13.11	050	0.65
20	22.34	13.19	040	0.77
25	22.37	14.13	080	0.87
30	22.51	15.20	092	0.60
35	22.81	16.83	083	0.43
40	22.97	17.59	029	0.26
45	23.01	17.85	025	0.18
48	23.03	17.93	--	--

CK-6		1700 EST	Weather 01	
25 Sept 52		Depth 50'	Wind N-1 Air 24.4°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.02	12.70	066	0.70
5	22.05	12.67	055	0.87
10	22.12	12.82	053	1.05
15	22.20	13.03	054	1.05
20	22.30	13.32	065	0.87
25	22.48	14.19	076	0.65
30	22.72	16.02	080	0.65
35	22.82	16.77	080	0.70
40	22.86	16.92	081	0.58
45	22.96	17.47	059	0.41
48	22.98	17.62	--	--

CK-6		1900 EST	Weather 01	
25 Sept 52		Depth 50'	Wind SSE-2 Air 20.6°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.23	13.36	092	0.77
5	22.23	13.35	045	0.82
10	22.33	13.41	050	0.71
15	22.29	13.84	049	0.62
20	22.34	14.27	035	0.52
25	22.52	14.96	034	0.39
30	22.68	15.94	075	0.39
35	22.76	16.50	062	0.15
40	22.85	16.87	302	0.14
45	22.89	17.07	302	0.15
48	22.93	17.59	--	--

CK-6		1800 EST	Weather 01	
25 Sept 52		Depth 50'	Wind N-2 Air 21.7°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.31	13.45	081	0.87
5	22.35	13.49	081	0.87
10	22.39	13.51	169	0.92
15	22.43	13.57	069	0.97
20	22.46	13.98	068	0.82
25	22.46	14.33	068	0.65
30	22.69	15.97	074	0.58
35	22.74	16.40	081	0.58
40	22.89	17.06	079	0.47
45	22.92	17.28	0	0.00
49	22.99	17.68	--	--

CK-6		2000 EST	Weather 01	
25 Sept 52		Depth 50'	Wind SSE-3 Air 20.6°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.06	13.02	--	--
5	22.07	13.02	062	0.43
10	22.13	13.06	061	0.46
15	22.21	13.37	036	0.38
20	22.41	14.42	002	0.29
25	22.70	15.92	0	0.00
30	22.80	16.46	181	0.22
35	22.82	16.61	187	0.22
40	22.85	16.77	0	0.00
45	22.89	16.98	284	0.29
48	23.00	17.56	--	--

CK-6			2100 EST	Weather 01 Wind SSE-4 Air -		
25 Sept 52			Depth 50'			
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR	SPEED		
0	21.96	12.97	352	0.21		
5	22.19	14.26	002	0.19		
10	22.17	14.40	346	0.21		
15	22.20	14.60	335	0.23		
20	22.38	14.97	0	0.00		
25	22.48	15.31	192	0.11		
30	22.71	15.95	211	0.22		
35	22.78	16.42	268	0.31		
40	22.89	16.95	270	0.29		
45	22.93	17.22	262	0.22		
49	22.97	17.43	--	--		

CK-6			2300 EST	Weather 01 Wind SSE-3 Air 19.4°C		
25 Sept 52			Depth 50'			
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR	SPEED		
0	22.00	13.29	306	0.76		
5	22.20	13.45	294	0.64		
10	22.25	13.58	296	0.38		
15	22.48	14.43	241	0.38		
20	22.58	14.55	240	0.43		
25	22.63	14.65	241	0.43		
30	22.80	15.54	295	0.36		
35	22.83	15.79	296	0.36		
40	22.94	16.38	272	0.36		
45	22.98	16.62	257	0.26		
49	23.01	16.79	--	--		

CK-6			2200 EST	Weather 01 Wind SSE-4 Air 18.9°C		
25 Sept 52			Depth 50'			
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR	SPEED		
0	22.02	13.55	157	0.11		
5	22.04	13.55	217	0.14		
10	22.05	13.51	264	0.23		
15	22.14	13.81	274	0.43		
20	22.34	14.78	0	0.00		
25	22.42	15.00	244	0.34		
30	22.67	15.79	245	0.34		
35	22.77	16.30	260	0.36		
40	22.86	16.78	284	0.41		
45	22.91	17.06	257	0.26		
49	22.94	17.21	--	--		

CK-6			0000 EST	Weather 01 Wind SSE-1 Air -		
26 Sept 52			Depth 50'			
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR	SPEED		
0	21.72	12.93	207	0.34		
5	21.90	13.45	202	0.48		
10	22.01	13.65	247	0.46		
15	22.08	13.72	245	0.46		
20	22.50	14.43	242	0.48		
25	22.53	14.76	232	0.45		
30	22.52	14.84	253	0.43		
35	22.58	15.65	323	0.34		
40	22.76	16.00	322	0.29		
45	22.78	16.08	252	0.22		
48	22.85	16.49	--	--		

CK-6		0100 EST	Weather 01	
			Wind 0	
26 Sept 52		Depth 50'	Air 18.9°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.76	12.75	237	0.45
5	21.80	12.78	237	0.52
10	21.85	13.11	237	0.55
15	22.10	13.50	235	0.29
20	22.39	14.16	236	0.29
25	22.59	15.19	236	0.31
30	22.73	15.82	237	0.26
35	22.76	15.93	238	0.18
40	22.82	16.24	239	0.18
45	22.96	16.89	059	0.16
48	22.99	17.35	--	--

CK-6		0300 EST	Weather 01	
			Wind 0	
26 Sept 52		Depth 50'	Air 18.3°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.92	12.39	191	0.16
5	22.11	12.67	200	0.20
10	22.12	13.19	130	0.16
15	22.27	13.61	100	0.12
20	22.46	14.22	100	0.09
25	22.53	14.64	084	0.14
30	22.72	15.59	069	0.15
35	22.80	16.03	070	0.17
40	22.90	16.56	055	0.21
45	22.92	16.72	055	0.24
49	23.00	17.10	--	--

CK-6		0200 EST	Weather 01	
			Wind 0	
26 Sept 52		Depth 50'	Air 18.9°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.95	12.47	205	0.36
5	21.97	12.59	204	0.34
10	22.13	12.90	222	0.23
15	22.38	14.18	221	0.29
20	22.50	14.66	0	0.50
25	22.56	15.04	0	0.00
30	22.71	15.59	119	0.12
35	22.77	16.10	119	0.09
40	22.90	16.73	030	0.12
45	22.95	17.02	062	0.20
48	22.99	17.20	--	--

CK-6		0400 EST	Weather 01	
			Wind 0	
26 Sept 52		Depth 50'	Air 18.9°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.77	12.44	0	0.00
5	21.88	12.70	0	0.00
10	22.00	13.13	045	0.21
15	22.00	13.27	043	0.24
20	22.41	14.15	043	0.24
25	22.44	14.39	043	0.26
30	22.69	15.36	042	0.24
35	22.85	16.28	042	0.23
40	22.87	16.43	043	0.24
45	22.92	16.67	042	0.24
49	23.00	17.36	--	--

CK-6			0500 EST	Weather 01	
				Wind 0	
26 Sept 52			Depth 50'	Air 20.0°C	
DEPTH			CURRENT		
(FT.)	TEMP (°C)	SALINITY (‰)	DIR (°T)	SPEED (KTS)	
0	21.77	12.48	092	0.20	
5	22.03	12.87	072	0.25	
10	21.94	12.98	065	0.45	
15	22.13	13.40	067	0.52	
20	22.37	13.87	067	0.57	
25	22.39	14.12	066	0.41	
30	22.69	15.36	065	0.29	
35	22.82	15.96	071	0.24	
40	22.87	16.29	050	0.21	
45	23.00	16.93	070	0.16	
48	23.02	17.05	--	--	

CK-6			0700 EST	Weather 01	
				Wind NW-2	
26 Sept 52			Depth 50'	Air -	
DEPTH			CURRENT		
(FT.)	TEMP (°C)	SALINITY (‰)	DIR (°T)	SPEED (KTS)	
0	21.55	12.69	097	0.17	
5	21.81	13.18	057	0.26	
10	21.87	13.26	040	0.14	
15	22.18	14.13	040	0.43	
20	22.33	14.52	113	0.22	
25	22.52	15.30	0	0.00	
30	22.59	15.48	144	0.29	
35	22.65	15.93	143	0.29	
40	22.74	16.30	0	0.00	
45	22.80	16.57	0	0.00	
48	22.97	16.39	--	--	

CK-6			0600 EST	Weather 01	
				Wind NW-1	
26 Sept 52			Depth 50'	Air 18.9°C	
DEPTH			CURRENT		
(FT.)	TEMP (°C)	SALINITY (‰)	DIR (°T)	SPEED (KTS)	
0	21.55	12.50	090	0.38	
5	21.84	12.98	068	0.38	
10	21.80	13.07	063	0.48	
15	22.07	13.64	048	0.46	
20	22.38	14.46	048	0.43	
25	22.50	15.05	108	0.38	
30	22.59	15.41	109	0.34	
35	22.69	15.66	099	0.22	
40	22.81	16.27	0	0.00	
45	22.89	16.68	103	0.26	
48	22.91	16.77	080	0.36	

CK-6			0800 EST	Weather 01	
				Wind 0	
26 Sept 52			Depth 50'	Air 22.8°C	
DEPTH			CURRENT		
(FT.)	TEMP (°C)	SALINITY (‰)	DIR (°T)	SPEED (KTS)	
0	21.68	12.95	0	0.00	
5	21.68	13.17	036	0.14	
10	21.85	13.37	034	0.17	
15	22.16	14.07	336	0.17	
20	22.36	14.59	250	0.11	
25	22.55	15.28	170	0.17	
30	22.69	15.83	171	0.20	
35	22.79	16.19	262	0.16	
40	22.79	16.26	285	0.21	
45	22.90	16.83	167	0.27	
48	22.91	16.88	--	--	

CK-6		0900 EST	Weather 01	
			Wind 0	Air 20.0°C
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.84	13.05	242	0.24
5	21.72	13.18	277	0.15
10	21.85	13.38	276	0.14
15	21.83	13.76	274	0.19
20	22.32	14.57	204	0.20
25	22.43	15.17	238	0.19
30	22.59	15.47	272	0.25
35	22.70	15.88	270	0.27
40	22.83	16.59	267	0.27
45	22.89	16.79	267	0.23
49	22.92	17.09	--	--

CK-6		1100 EST	Weather 01	
			Wind 0	Air 21.1°C
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.41	12.38	213	0.73
5	21.94	12.49	215	0.58
10	21.87	12.51	275	0.55
15	22.05	13.67	276	0.55
20	22.11	14.09	262	0.45
25	22.47	14.73	262	0.34
30	22.56	15.09	263	0.41
35	22.66	15.66	228	0.38
40	22.71	15.80	218	0.41
45	22.74	15.96	218	0.41
48	22.85	16.63	--	--

CK-6		1000 EST	Weather 01	
			Wind 0	Air 20.0°C
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.13	12.43	218	0.64
5	21.84	13.15	227	0.43
10	21.83	13.42	247	0.38
15	21.86	13.96	262	0.41
20	22.25	14.33	257	0.38
25	22.57	15.28	236	0.38
30	22.59	15.40	236	0.41
35	22.61	15.48	230	0.41
40	22.72	16.14	224	0.38
45	22.83	16.66	214	0.36

CK-6		1200 EST	Weather 05	
			Wind NW-1	Air 21.1°C
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.39	12.57	210	0.41
5	22.06	12.65	220	0.52
10	22.02	13.26	230	0.46
15	22.27	13.65	243	0.38
20	22.38	14.20	206	0.26
25	22.54	14.97	208	0.26
30	22.65	15.19	208	0.26
35	22.67	15.28	210	0.26
40	22.74	15.68	193	0.41
45	22.84	16.21	193	0.41

CK-12	1317 EST	Weather 05 Wind 0 Air 24.4°C		
24 Sept 52	Depth 64'			
DEPTH TEMP SALINITY CURRENT				
(FT.)	(°C)	(‰)	DIR (°T)	SPEED (KTS)
0	22.21	11.72	312	0.77
5	22.20	11.64	307	0.52
10	22.07	12.06	312	0.48
16	22.09	12.46	308	0.41
20	22.10	12.78	0	0.00
25	22.13	13.03	0	0.00
30	22.20	13.53	115	0.26
35	22.33	14.04	116	0.38
40	22.27	14.21	112	0.53
45	22.26	14.28	107	0.55
50	22.29	14.48	125	0.50
55	22.41	14.76	130	0.57
60	22.58	15.03	131	0.63
62	--	--	130	0.75

CK-12	1500 EST	Weather 05 Wind NW-1 Air 25.0°C		
24 Sept 52	Depth 62'			
DEPTH TEMP SALINITY CURRENT				
(FT.)	(°C)	(‰)	DIR (°T)	SPEED (KTS)
0	22.54	11.77	079	0.14
5	22.56	11.80	082	0.14
10	22.51	12.34	357	0.20
15	22.27	13.28	090	0.14
20	22.28	13.49	102	0.20
25	22.27	13.60	--	--
30	22.26	13.63	089	0.55
35	22.26	13.73	--	--
40	22.28	13.93	077	0.41
45	22.28	14.11	--	--
50	22.30	14.22	095	0.41
55	22.35	14.42	--	--
60	22.45	14.58	147	0.50

CK-12	1400 EST	Weather 05 Wind 0 Air 25.0°C		
24 Sept 52	Depth 62'			
DEPTH TEMP SALINITY CURRENT				
(FT.)	(°C)	(‰)	DIR (°T)	SPEED (KTS)
0	22.57	11.68	329	0.22
5	22.26	11.72	317	0.25
10	22.11	11.97	327	0.27
15	22.12	12.18	298	0.45
20	22.24	13.27	148	0.29
25	22.30	13.56	--	--
30	22.29	13.80	109	0.58
35	22.28	13.88	--	--
40	22.28	13.93	100	0.34
45	22.29	14.05	--	--
50	22.33	14.43	109	0.55
55	22.42	14.56	--	--
60	22.57	14.79	116	0.66

CK-12	1600 EST	Weather 05 Wind NW-1 Air 31.1°C		
24 Sept 52	Depth 62'			
DEPTH TEMP SALINITY CURRENT				
(FT.)	(°C)	(‰)	DIR (°T)	SPEED (KTS)
0	22.51	12.11	110	0.29
5	22.27	12.81	090	0.36
10	22.23	12.94	050	0.53
15	22.24	13.10	048	0.38
20	22.22	13.28	078	0.45
25	22.18	13.38	--	--
30	22.16	13.41	080	0.53
35	22.16	13.41	--	--
40	22.16	13.62	082	0.55
45	22.19	13.80	--	--
50	22.20	13.94	118	0.52
55	22.35	14.32	--	--
60	22.41	14.43	127	0.58

CK-12		1700 EST	Weather 02 Wind N-1 Air 26.7°C	
24 Sept 52		Depth 64'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.45	12.02	142	0.18
5	22.48	12.54	002	0.29
10	22.29	12.73	057	0.46
15	22.27	13.01	054	0.52
20	22.26	13.45	052	0.52
25	22.23	13.45	--	--
30	22.18	13.48	052	0.52
35	22.15	13.59	--	--
40	22.13	13.70	056	0.50
45	22.15	13.91	--	--
50	22.33	14.28	077	0.46
55	22.53	14.61	--	--
60	22.55	14.93	124	0.70

CK-12		1900 EST	Weather 01 Wind NE-2 Air 21.1°C	
24 Sept 52		Depth 64'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.42	11.87	247	0.16
5	22.43	11.87	252	0.12
10	22.45	11.90	082	0.20
15	22.49	12.33	082	0.17
20	22.50	12.59	077	0.31
25	22.47	12.96	--	--
30	22.42	13.00	082	0.31
35	22.37	13.28	--	--
40	22.57	14.13	101	0.41
45	22.71	14.40	--	--
50	22.79	14.44	107	0.45
55	22.83	14.47	--	--
60	22.91	14.60	090	0.38

CK-12		1800 EST	Weather 02 Wind NE-1 Air 22.2°C	
24 Sept 52		Depth 64'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.48	12.32	--	--
5	22.46	12.58	062	0.29
10	22.35	12.77	062	0.41
15	22.41	12.98	062	0.45
20	22.40	13.37	062	0.43
25	22.35	13.36	--	--
30	22.30	13.47	062	0.38
35	22.31	13.80	--	--
40	22.35	13.98	062	0.36
45	22.37	13.96	--	--
50	22.51	14.56	122	0.52
55	22.79	14.84	--	--
60	22.79	14.85	121	0.45
64	22.79	14.85	--	--

CK-12		2000 EST	Weather 00 Wind SE-2 Air 21.1°C	
24 Sept 52		Depth 64'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.48	11.61	311	0.32
5	22.54	11.62	297	0.24
10	22.66	12.04	286	0.12
15	22.66	12.31	124	0.19
20	22.62	12.81	123	0.21
25	22.62	12.86	--	--
30	22.61	12.96	121	0.24
35	22.58	13.22	--	--
40	22.76	13.82	122	0.25
45	22.87	14.07	--	--
50	22.88	14.10	122	0.21
55	22.93	14.17	--	--
60	23.04	14.34	122	0.19

CK-12		2100 EST	Weather 01	
			Wind SE-2	Air 20.0°C
24 Sept 52		Depth 64'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.35	11.82	294	0.38
5	22.36	11.83	285	0.32
10	22.39	12.00	288	0.19
15	22.37	12.62	0	0.00
20	22.39	12.92	112	0.17
25	22.39	13.02	--	--
30	22.45	13.40	122	0.16
35	22.46	13.62	--	--
40	22.52	13.88	123	0.25
45	22.63	14.02	--	--
50	22.66	14.08	115	0.22
55	22.66	14.16	--	--
60	22.69	14.35	113	0.20

CK-12		2300 EST	Weather 00	
			Wind ESE-1	Air 19.4°C
24 Sept 52		Depth 64'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.40	12.17	283	0.35
5	22.45	12.26	275	0.30
10	22.58	12.84	265	0.25
15	22.59	13.08	265	0.22
20	22.63	13.52	264	0.20
25	22.64	13.66	--	--
30	22.65	13.73	273	0.14
35	22.69	13.90	--	--
40	22.72	13.98	102	0.11
45	22.78	14.28	--	--
50	22.84	14.45	104	0.09
55	22.89	14.61	--	--
60	22.89	14.65	265	0.14

CK-12		2200 EST	Weather 00	
			Wind ESE-1	Air 19.4°C
24 Sept 52		Depth 64'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.30	12.18	291	0.33
5	22.34	12.21	292	0.24
10	22.33	12.79	282	0.21
15	22.33	13.08	272	0.21
20	22.33	13.16	263	0.20
25	22.32	13.25	--	--
30	22.34	13.54	204	0.14
35	22.36	13.64	--	--
40	22.51	14.02	124	0.21
45	22.54	14.12	--	--
50	22.65	14.53	124	0.23
55	22.70	14.51	--	--
60	22.71	14.53	124	0.17

CK-12		0000 EST	Weather 00	
			Wind E-1	Air 18.3°C
25 Sept 52		Depth 64'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.02	11.64	293	0.82
5	22.48	12.66	293	0.44
10	22.36	12.96	287	0.39
15	22.39	13.38	313	0.31
20	22.42	13.63	311	0.25
25	22.49	13.78	--	--
30	22.50	14.04	311	0.12
35	22.49	14.07	--	--
40	22.58	14.11	0	0.00
45	22.73	14.39	--	--
50	22.70	14.55	202	0.11
55	22.69	14.57	--	--
60	22.67	14.65	0	0.00

CK-12		0100 EST	Weather 01	
			Wind ESE-1	Air 18.9°C
25 Sept 52		Depth 64'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.07	11.70	306	0.97
5	22.45	12.44	305	0.82
10	22.51	12.93	303	0.43
15	22.52	13.30	295	0.64
20	22.52	13.49	289	0.24
25	22.50	13.69	--	--
30	22.50	13.80	0	0.00
35	22.57	14.10	--	--
40	22.59	14.20	0	0.00
45	22.68	14.37	--	--
50	22.66	14.49	114	0.17
55	22.64	14.56	--	--
60	22.66	14.65	114	0.19

CK-12		0300 EST	Weather 01	
			Wind ENE-1	Air 17.8°C
25 Sept 52		Depth 64'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.83	11.54	309	0.33
5	21.87	11.56	346	0.23
10	22.38	12.50	023	0.15
15	22.54	13.17	0	0.00
20	22.54	13.47	0	0.00
25	22.55	13.53	--	--
30	22.53	13.73	0	0.00
35	22.57	14.05	--	--
40	22.58	14.14	125	0.19
45	22.54	14.16	--	--
50	22.54	14.20	122	0.21
55	22.58	14.39	--	--
60	22.63	14.65	117	0.27

CK-12		0200 EST	Weather 01	
			Wind E-1	Air 17.2°C
25 Sept 52		Depth 64'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.95	11.52	304	0.92
5	22.23	11.70	303	0.70
10	22.23	11.95	302	0.58
15	22.55	13.27	304	0.24
20	22.55	13.36	298	0.19
25	22.53	13.52	--	--
30	22.51	13.74	0	0.00
35	22.55	13.94	--	--
40	22.65	14.30	113	0.15
45	22.65	14.37	--	--
50	22.63	14.40	105	0.15
55	22.65	14.54	--	--
60	22.66	14.66	122	0.25

CK-12		0400 EST	Weather 01	
			Wind ENE-1	Air 16.7°C
25 Sept 52		Depth 64'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.99	11.76	0	0.00
5	22.00	11.77	032	0.14
10	22.49	13.12	082	0.27
15	22.52	13.43	089	0.25
20	22.54	13.53	083	0.17
25	22.54	13.71	--	--
30	22.52	13.81	090	0.21
35	22.51	13.85	--	--
40	22.52	13.84	087	0.21
45	22.51	13.94	--	--
50	22.54	14.17	091	0.23
55	22.57	14.31	--	--
60	22.70	14.47	122	0.27

CK-12		0500 EST	Weather 01	
			Wind ENE-1	
25 Sept 52		Depth 64'	Air 18.3°C	
DEPTH		TEMP	SALINITY	
(FT.)	(°C)		DIR	SPEED
			(°T)	(KTS)
0	22.06	12.43	0	0.00
5	22.09	12.50	088	0.12
10	22.53	13.12	089	0.17
15	22.51	13.37	084	0.31
20	22.53	13.57	085	0.34
25	22.50	13.63	--	--
30	22.48	13.65	087	0.36
35	22.48	13.66	--	--
40	22.48	13.67	088	0.41
45	22.51	13.92	--	--
50	22.54	14.11	099	0.43
55	22.60	14.26	--	--
60	22.72	14.69	109	0.52

CK-12		0700 EST	Weather 01	
			Wind NE-1	
25 Sept 52		Depth 64'	Air 16.7°C	
DEPTH		TEMP	SALINITY	
(FT.)	(°C)		DIR	SPEED
			(°T)	(KTS)
0	21.79	12.20	0	0.00
5	22.02	12.34	0	0.00
10	22.47	12.86	0	0.00
15	22.48	13.21	102	0.29
20	22.51	13.35	103	0.31
25	22.48	13.36	--	--
30	22.48	13.41	104	0.34
35	22.47	13.74	--	--
40	22.48	13.80	104	0.29
45	22.52	14.01	--	--
50	22.61	14.40	104	0.34
55	22.64	14.57	--	--
60	22.72	14.83	131	0.46

CK-12		0600 EST	Weather 01	
			Wind NE-1	
25 Sept 52		Depth 64'	Air 18.3°C	
DEPTH		TEMP	SALINITY	
(FT.)	(°C)		DIR	SPEED
			(°T)	(KTS)
0	21.89	12.29	0	0.00
5	22.48	12.60	099	0.13
10	22.64	13.00	098	0.29
15	22.68	13.17	098	0.29
20	22.64	13.43	097	0.36
25	22.63	13.48	--	--
30	22.60	13.50	096	0.36
35	22.60	13.51	--	--
40	22.59	13.55	094	0.15
45	22.60	13.80	--	--
50	22.68	14.14	104	0.43
55	22.72	14.41	--	--
60	22.82	14.91	106	0.50

CK-12		0800 EST	Weather 01	
			Wind NE-1	
25 Sept 52		Depth 64'	Air 17.8°C	
DEPTH		TEMP	SALINITY	
(FT.)	(°C)		DIR	SPEED
			(°T)	(KTS)
0	21.90	11.77	--	--
5	21.92	11.87	001	0.43
10	22.21	12.45	012	0.16
15	22.53	13.18	0	0.00
20	22.55	13.28	0	0.00
25	22.55	13.32	--	--
30	22.55	13.44	0	0.00
35	22.57	13.75	--	--
40	22.63	14.02	115	0.14
45	22.66	14.19	--	--
50	22.71	14.50	116	0.16
55	22.76	14.61	--	--
60	22.78	14.67	117	0.27

CK-12		0900 EST	Weather 01	
			Wind NE-1	
25 Sept 52		Depth 64'	Air 19.4°C	
DEPTH		TEMP	SALINITY	
(FT.)	(°C)		DIR	SPEED
			(°T)	(KTS)
0	21.86	12.07	--	--
5	21.91	12.19	327	0.28
10	22.20	12.64	328	0.15
15	22.38	13.12	329	0.14
20	22.40	13.29	328	0.09
25	22.41	13.46	--	--
30	22.44	13.70	171	0.11
35	22.46	14.07	--	--
40	22.47	14.17	125	0.14
45	22.47	14.26	--	--
50	22.52	14.48	120	0.21
55	22.61	14.74	--	--
60	22.65	14.75	119	0.25

CK-12		1100 EST	Weather 01	
			Wind N-1	
25 Sept 52		Depth 64'	Air 21.1°C	
DEPTH		TEMP	SALINITY	
(FT.)	(°C)		DIR	SPEED
			(°T)	(KTS)
0	22.15	11.63	--	--
5	22.09	11.74	267	0.24
10	22.34	13.16	267	0.14
15	22.45	13.61	265	0.14
20	22.50	14.00	0	0.00
25	22.54	14.19	--	--
30	22.54	14.32	259	0.09
35	22.54	14.36	--	--
40	22.54	14.43	261	0.11
45	22.54	14.49	--	--
50	22.59	14.76	127	0.11
55	22.59	14.85	--	--
60	22.61	14.90	129	0.11

CK-12		1000 EST	Weather 01	
			Wind NE-1	
25 Sept 52		Depth 64'	Air 21.1°C	
DEPTH		TEMP	SALINITY	
(FT.)	(°C)		DIR	SPEED
			(°T)	(KTS)
0	22.05	12.12	247	0.30
5	22.05	12.13	267	0.35
10	22.23	12.80	270	0.15
15	22.42	13.28	270	0.15
20	22.46	13.59	270	0.21
25	22.53	13.72	--	--
30	22.54	13.74	269	0.21
35	22.54	13.92	--	--
40	22.52	14.15	0	0.00
45	22.55	14.41	--	--
50	22.56	14.56	106	0.15
55	22.56	14.56	--	--
60	22.59	14.77	105	0.19

CK-12		1200 EST	Weather 01	
			Wind NNE-2	
26 Sept 52		Depth 64'	Air 22.2°C	
DEPTH		TEMP	SALINITY	
(FT.)	(°C)		DIR	SPEED
			(°T)	(KTS)
0	22.27	11.23	315	0.72
5	22.31	13.10	291	0.30
10	22.35	13.39	279	0.25
15	22.39	13.51	286	0.21
20	22.46	14.04	0	0.00
25	22.46	14.08	--	--
30	22.47	14.15	286	0.09
35	22.47	14.24	--	--
40	22.52	14.44	0	0.00
45	22.55	14.61	--	--
50	22.56	14.71	137	0.11
55	22.56	14.79	--	--
60	22.58	14.92	142	0.09

CK-17		0700 EST		Weather 05	
				Wind 0	
24 Sept 52		Depth 47'		Air 17.8°C	
DEPTH		TEMP		SALINITY	
(FT.)		(°C)		(%oo)	
0		21.83		10.62	
5		21.87		10.60	
10		21.83		10.68	
15		21.83		10.68	087
20		21.84		10.72	087
25		21.92		10.82	087
30		21.97		10.86	087
35		21.98		10.88	087
40		22.05		10.91	088
44		22.06		10.93	088

CK-17		0900 EST		Weather 05	
				Wind SSE-1	
24 Sept 52		Depth 47'		Air 18.1°C	
DEPTH		TEMP		SALINITY	
(FT.)		(°C)		(%oo)	
0		21.87		10.35	269
5		21.90		10.47	269
10		21.92		10.57	264
15		21.90		10.71	259
20		21.83		10.77	259
25		21.85		10.83	259
30		21.93		10.89	259
35		21.99		10.93	260
40		22.01		10.96	259
44		22.05		11.00	260

CK-17		0800 EST		Weather 05	
				Wind 0	
24 Sept 52		Depth 47'		Air 17.5°C	
DEPTH		TEMP		SALINITY	
(FT.)		(°C)		(%oo)	
0		21.89		10.43	222
5		21.89		10.61	242
10		21.85		10.72	0
15		21.85		10.72	0
20		21.83		10.74	0
25		21.83		10.74	082
30		21.84		10.78	082
35		21.96		10.88	072
40		22.06		11.00	052
44		22.08		11.00	0

CK-17		1000 EST		Weather 05	
				Wind 0	
24 Sept 52		Depth 46'		Air 19.2°C	
DEPTH		TEMP		SALINITY	
(FT.)		(°C)		(%oo)	
0		21.93		10.26	265
5		21.81		10.33	265
10		21.80		10.35	265
15		21.89		10.67	266
20		21.92		10.72	266
25		21.84		10.78	265
30		21.83		10.82	265
35		22.00		10.94	265
40		22.02		10.95	265
43		22.02		10.95	265

CK-17		1104 EST		Weather 05 Wind 0 Air 21.1°C		
24 Sept 52		Depth 46'				
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR (°T)	SPEED (KTS)		
0	22.15	10.08	277	0.45		
5	21.91	10.31	276	0.58		
10	21.88	10.44	276	0.53		
15	21.96	10.71	261	0.41		
20	21.98	10.76	257	0.36		
25	22.00	10.77	266	0.41		
30	21.95	10.81	266	0.38		
35	21.95	10.83	266	0.38		
40	21.94	10.87	266	0.34		
43	21.98	10.92	267	0.26		

CK-17		1300 EST		Weather 01 Wind NW-1 Air 21.7°C		
24 Sept 52		Depth 44'				
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR (°T)	SPEED (KTS)		
0	22.79	9.71	276	0.34		
5	22.15	9.96	286	0.48		
10	22.06	10.26	266	0.34		
15	21.92	10.39	256	0.31		
20	21.95	10.41	246	0.29		
25	21.98	10.61	236	0.26		
30	22.02	10.76	246	0.17		
35	22.01	10.82	266	0.15		
40	22.00	10.84	276	0.15		
42	22.00	10.85	276	0.11		

CK-17		1200 EST		Weather 05 Wind 0 Air 22.2°C		
24 Sept 52		Depth 45'				
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR (°T)	SPEED (KTS)		
0	22.62	9.80	281	0.66		
5	22.04	10.25	281	0.58		
10	21.99	10.36	281	0.55		
15	21.98	10.57	276	0.45		
20	21.99	10.60	261	0.41		
25	21.99	10.66	266	0.36		
30	22.01	10.74	266	0.36		
35	22.02	10.81	271	0.31		
40	22.02	10.81	276	0.31		
42	22.02	10.81	276	0.29		

CK-17		1403 EST		Weather 02 Wind WNW-1 Air 21.7°C		
24 Sept 52		Depth 44'				
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR (°T)	SPEED (KTS)		
0	22.88	9.85	275	0.09		
5	22.09	10.10	277	0.21		
10	21.91	10.31	277	0.14		
15	21.99	10.62	282	0.11		
20	21.99	10.71	283	0.06		
25	21.97	10.79	0	0.00		
30	21.98	10.81	113	0.09		
35	22.01	10.85	125	0.14		
40	22.02	10.85	125	0.17		
42	22.02	10.85	123	0.20		

CK-17		1500 EST	Weather 02 Wind WNW-1 Air 21.7°C	
24 Sept 52		Depth 45'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.96	10.24	098	0.14
5	21.95	10.28	101	0.16
10	21.95	10.38	104	0.16
15	22.00	10.60	098	0.21
20	22.00	10.77	099	0.27
25	21.98	10.85	097	0.45
30	21.99	10.93	097	0.46
35	22.02	10.98	097	0.48
40	22.03	11.03	097	0.41
45	22.04	11.04	097	0.38

CK-17		1700 EST	Weather 00 Wind 0 Air 21.9°C	
24 Sept 52		Depth 49'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.15	10.27	110	0.53
5	22.01	10.38	110	0.53
10	22.01	10.47	110	0.57
15	22.02	10.62	110	0.57
20	22.02	10.76	100	0.76
25	22.04	10.94	100	0.73
30	22.06	11.00	100	0.78
35	22.05	11.01	100	0.81
40	22.05	11.01	100	0.78
45	22.06	11.02	100	0.60
49	--	--	100	0.48

CK-17		1603 EST	Weather 02 Wind WNW-1 Air 22.2°C	
24 Sept 52		Depth 47'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.53	10.08	089	0.45
5	21.98	10.26	104	0.29
10	21.96	10.31	104	0.46
15	21.98	10.47	104	0.43
20	22.01	10.72	109	0.50
25	22.02	10.84	094	0.58
30	22.01	10.85	094	0.67
35	22.01	10.92	097	0.70
40	22.01	10.94	097	0.59
44	22.01	10.94	098	0.51

CK-17		1800 EST	Weather 00 Wind NW-1 Air 21.1°C	
24 Sept 52		Depth 49'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.24	10.32	100	0.53
5	22.16	10.47	100	0.60
10	22.14	10.57	100	0.60
15	22.02	10.72	100	0.60
20	22.02	10.83	100	0.64
25	22.03	10.84	100	0.67
30	22.05	10.92	100	0.64
35	22.12	11.12	100	0.53
40	22.07	11.08	100	0.45
45	22.13	11.21	100	0.53
49	--	--	100	0.40

CK-17			1900 EST	Weather 00 Wind E-1 Air 20.3°C		
24 Sept 52			Depth 48'			
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR	SPEED		
0	22.13	10.41	092	0.35		
5	22.16	10.47	092	0.45		
10	22.11	10.80	102	0.45		
15	22.06	10.96	092	0.40		
20	22.09	10.99	102	0.48		
25	22.09	11.02	102	0.45		
30	22.09	11.03	102	0.40		
35	22.09	11.07	102	0.40		
40	22.09	11.11	102	0.40		
45	22.10	11.11	102	0.35		

CK-17			2100 EST	Weather 00 Wind E-2 Air 20.0°C		
24 Sept 52			Depth 45'			
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR	SPEED		
0	22.28	10.70	289	0.22		
5	22.28	10.74	279	0.25		
10	22.13	10.96	277	0.20		
15	22.13	11.09	0	0.00		
20	22.14	11.09	0	0.00		
25	22.15	11.10	0	0.00		
30	22.14	11.11	169	0.12		
35	22.15	11.13	0	0.00		
40	22.15	11.15	0	0.00		
42	22.15	11.15	0	0.00		

CK-17			2000 EST	Weather 00 Wind E-2 Air 20.0°C		
24 Sept 52			Depth 48'			
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR	SPEED		
0	22.13	10.51	031	0.21		
5	22.13	10.56	089	0.26		
10	22.13	10.65	089	0.29		
15	22.10	11.04	099	0.31		
20	22.12	11.07	109	0.29		
25	22.12	11.08	109	0.29		
30	22.12	11.08	109	0.34		
35	22.12	11.07	099	0.36		
40	22.12	11.06	099	0.31		
42	22.12	11.09	089	0.29		

CK-17			2200 EST	Weather 00 Wind E-2 Air 20.0°C		
24 Sept 52			Depth 45'			
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR	SPEED		
0	22.15	10.57	287	0.32		
5	22.16	10.64	287	0.32		
10	22.15	10.82	277	0.28		
15	22.10	10.97	267	0.21		
20	22.12	11.02	247	0.21		
25	22.13	11.11	247	0.16		
30	22.14	11.15	237	0.12		
35	22.14	11.15	247	0.12		
40	22.15	11.15	257	0.12		
42	22.15	11.15	257	0.11		

CK-17		2300 EST	Weather 00 Wind E-1 Air 18.9°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.95	10.20	265	0.52
5	21.84	10.20	265	0.60
10	21.84	10.41	275	0.63
15	22.12	11.09	277	0.41
20	22.10	11.10	277	0.34
25	22.10	11.10	275	0.29
30	22.10	11.10	265	0.26
35	22.10	11.15	275	0.29
40	22.10	11.15	267	0.31
44	22.11	11.15	267	0.34

CK-17		0100 EST	Weather 00 Wind E-1 Air 17.5°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.85	10.16	287	0.33
5	22.05	10.38	272	0.38
10	22.03	10.64	262	0.33
15	22.03	10.79	262	0.32
20	22.04	10.90	270	0.28
25	22.09	11.18	280	0.19
30	22.13	11.52	280	0.11
35	22.22	12.09	090	0.12
40	22.26	12.48	0	0.00
41	22.28	12.57	0	0.00

CK-17		0000 EST	Weather 00 Wind E-1 Air 18.3°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.83	10.16	267	0.53
5	21.83	10.22	277	0.61
10	22.08	10.63	267	0.48
15	22.08	10.76	267	0.45
20	22.10	10.93	267	0.45
25	22.09	11.05	267	0.31
30	22.09	11.11	267	0.34
35	22.10	11.12	267	0.22
40	22.10	11.14	267	0.18
41	22.11	11.15	267	0.18

CK-17		0200 EST	Weather 00 Wind NNE-1 Air -	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.84	9.89	289	0.31
5	21.85	10.12	279	0.35
10	21.79	10.21	280	0.32
15	22.00	10.55	270	0.20
20	22.02	10.82	268	0.15
25	22.13	11.26	267	0.11
30	22.16	11.52	087	0.12
35	22.21	11.70	087	0.19
40	22.30	12.76	088	0.16
41	22.31	12.75	0	0.00

CK-17	0307 EST	Weather 00 Wind NNE-1 Air 16.7°C		
25 Sept 52	Depth 44'			
CURRENT				
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	DIR (°T)	SPEED (KTS)
0	21.79	9.90	277	0.11
5	21.82	10.17	277	0.16
10	21.84	10.24	277	0.09
15	22.02	10.74	0	0.00
20	22.06	11.11	0	0.00
25	22.08	11.23	098	0.16
30	22.13	11.39	092	0.21
35	22.17	12.09	089	0.29
40	22.27	12.58	089	0.21
41	22.30	12.87	097	0.16

CK-17	0500 EST	Weather 00 Wind NNW-1 Air 16.4°C		
25 Sept 52	Depth 46'			
CURRENT				
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	DIR (°T)	SPEED (KTS)
0	21.76	10.20	0	0.00
5	21.87	10.33	099	0.15
10	22.03	10.76	100	0.21
15	22.06	10.91	090	0.28
20	22.11	11.05	092	0.45
25	22.14	11.24	102	0.52
30	22.24	11.97	102	0.60
35	22.33	13.01	092	0.67
40	22.38	13.40	100	0.24
43	22.39	13.53	100	0.21

CK-17	0400 EST	Weather 00 Wind NWW-1 Air 16.7°C		
25 Sept 52	Depth 44'			
CURRENT				
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	DIR (°T)	SPEED (KTS)
0	21.84	10.21	0	0.00
5	21.87	10.31	0	0.00
10	21.90	10.47	102	0.22
15	22.03	10.84	102	0.09
20	22.06	11.08	102	0.17
25	22.10	11.16	102	0.21
30	22.15	11.30	092	0.27
35	22.25	12.11	101	0.26
40	22.26	12.33	100	0.17
41	22.27	12.44	100	0.20

CK-17	0604 EST	Weather 02 Wind NWW-1 Air 16.1°C		
25 Sept 52	Depth 49'			
CURRENT				
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	DIR (°T)	SPEED (KTS)
0	21.69	10.18	110	0.31
5	21.76	10.30	110	0.36
10	21.99	10.68	100	0.36
15	22.05	10.77	100	0.48
20	22.07	10.94	090	0.57
25	22.18	11.67	090	0.61
30	22.28	12.50	090	0.70
35	22.34	13.05	091	0.60
40	22.42	13.31	090	0.48
45	22.42	13.33	090	0.35
48	--	--	090	0.28

CK-20		1300 EST	Weather 02 Wind N-2 Air 22.2°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.89	8.56	205	0.22
5	21.70	8.55	217	0.26
10	22.06	8.93	220	0.22
15	22.13	9.07	212	0.22
20	22.14	9.16	212	0.17
25	22.15	9.19	268	0.15
30	22.15	9.21	289	0.16
35	22.25	9.47	322	0.16
39	22.33	9.58	--	--

CK-20		1500 EST	Weather 01 Wind N-1 Air 32.8°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.32	8.76	114	0.16
5	22.03	9.02	070	0.21
10	22.06	9.12	049	0.43
15	22.09	9.23	049	0.52
20	22.13	9.35	041	0.52
25	22.14	9.39	037	0.43
30	21.95	9.46	044	0.45
34	21.84	9.51	171	0.31

CK-20		1400 EST	Weather 02 Wind NW-2 Air 27.2°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.97	8.70	122	0.20
5	21.86	8.81	124	0.11
10	22.04	8.93	0	0.00
15	22.07	8.95	325	0.11
20	22.10	9.06	327	0.11
25	22.09	9.18	054	0.12
30	22.26	9.55	052	0.12
33	22.28	9.57	--	--
35	--	--	053	0.14

CK-20		1600 EST	Weather 01 Wind N-1 Air 21.7°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.41	9.11	043	1.14
5	21.90	9.12	038	0.97
10	22.06	9.23	033	1.01
15	22.09	9.30	057	1.05
20	21.75	9.25	057	1.05
25	21.86	9.38	061	1.05
30	21.78	9.33	056	1.01
35	21.74	9.33	046	1.05
40	--	--	038	1.01

CK-20		1700 EST	Weather 01	
23 Sept 52		Depth 41'	Wind 0 Air 22.2°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.26	9.39	039	1.14
5	22.32	9.45	053	1.09
10	22.21	9.49	048	1.14
15	22.23	9.53	048	1.21
20	22.18	9.55	044	1.14
25	22.12	9.53	034	1.05
30	22.11	9.54	041	1.01
35	22.09	9.49	041	1.05
40	22.09	9.49	040	1.05

CK-20		1900 EST	Weather 02	
23 Sept 52		Depth 42'	Wind N-2 Air 20.0°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.17	9.38	034	0.58
5	22.24	9.43	033	0.58
10	22.18	9.46	033	0.58
15	22.18	9.46	038	0.77
20	21.86	9.39	038	0.77
25	21.81	9.42	034	0.77
30	21.84	9.46	033	0.70
35	21.94	9.51	033	0.65
40	21.99	9.61	034	0.58

CK-20		1800 EST	Weather 02	
23 Sept 52		Depth 42'	Wind W-2 Air 21.1°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.16	9.21	042	0.87
5	22.16	9.30	042	0.97
10	22.10	9.33	042	1.01
15	22.20	9.37	042	1.01
20	22.20	9.43	041	0.97
25	22.19	9.43	040	0.77
30	22.19	9.45	040	0.92
35	22.20	9.45	042	0.97
40	22.22	9.48	042	0.77

CK-20		2000 EST	Weather 02	
23 Sept 52		Depth 42'	Wind W-1 Air 18.3°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.15	9.47	017	0.34
5	22.13	9.48	017	0.39
10	22.17	9.56	017	0.34
15	22.20	9.62	017	0.34
20	22.22	9.64	017	0.34
25	22.13	9.65	019	0.50
30	22.02	9.63	019	0.58
35	22.25	9.86	019	0.50
40	22.43	10.15	019	0.50

CK-20		2100 EST	Weather 02 Wind ESE-1 Air 17.2°C	
23 Sept 52		Depth 42'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.84	9.40	317	0.14
5	22.08	9.47	318	0.11
10	22.17	9.55	0	0.00
15	22.21	9.57	0	0.00
20	22.22	9.59	0	0.00
25	22.24	9.63	074	0.15
30	22.23	9.69	053	0.15
35	22.26	9.92	047	0.15
40	22.38	10.18	0	0.00

CK-20		2303 EST	Weather 02 Wind SE-1 Air 16.7°C	
23 Sept 52		Depth 42'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.74	8.94	271	0.28
5	21.85	9.05	251	0.60
10	21.98	9.23	243	0.50
15	22.10	9.40	244	0.57
20	22.16	9.54	246	0.50
25	22.21	9.62	246	0.52
30	22.20	9.74	257	0.46
35	22.23	9.83	257	0.43
40	22.30	9.96	257	0.41

CK-20		2200 EST	Weather 02 Wind W-1 Air 17.2°C	
23 Sept 52		Depth 42'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.69	8.95	267	0.32
5	21.94	9.21	--	--
10	22.04	9.43	247	0.28
15	22.15	9.51	247	0.28
20	22.21	9.60	252	0.24
25	22.22	9.65	252	0.24
30	22.27	9.82	255	0.21
35	22.30	10.02	255	0.19
40	22.35	10.10	255	0.15

CK-20		0000 EST	Weather 02 Wind SE-1 Air 20.0°C	
24 Sept 52		Depth 41'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.78	9.07	266	0.39
5	21.83	9.08	263	0.47
10	21.92	9.23	199	0.39
15	21.92	9.27	189	0.39
20	21.97	9.35	188	0.39
25	22.04	9.51	188	0.34
30	22.11	9.54	188	0.34
35	22.11	9.55	187	0.28
40	22.11	9.65	187	0.29

CK-20			0100 EST		Weather 02				
24 Sept 52			Depth 41'		Wind SE-1 Air 18.3°C				
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)				DIR (°T)	SPEED (KTS)
0	21.82	9.22	--	--	0	21.56	8.60	0	0.00
5	21.83	9.22	--	--	5	21.62	8.72	0	0.00
10	21.88	9.22	158	0.22	10	22.01	9.27	100	0.11
15	21.92	9.27	136	0.22	15	22.05	9.42	042	0.23
20	21.98	9.32	216	0.20	20	22.11	9.61	044	0.27
25	22.01	9.42	219	0.20	25	22.15	9.74	048	0.29
30	22.05	9.50	220	0.21	30	22.31	10.24	072	0.52
35	22.08	9.51	221	0.16	35	22.35	10.34	076	0.46
40	22.09	9.60	243	0.21	40	22.36	10.37	069	0.46

CK-20			0300 EST		Weather 02				
24 Sept 52			Depth 41'		Wind 0 Air 17.8°C				
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)				DIR (°T)	SPEED (KTS)
0	21.56	8.60	0	0.00	0	21.56	8.72	0	0.00
5	21.62	8.72	0	0.00	5	22.01	9.27	100	0.11
10	22.01	9.27	100	0.11	10	22.05	9.42	042	0.23
15	22.05	9.42	042	0.23	15	22.11	9.61	044	0.27
20	22.11	9.61	044	0.27	20	22.15	9.74	048	0.29
25	22.15	9.74	048	0.29	25	22.31	10.24	072	0.52
30	22.31	10.24	072	0.52	30	22.35	10.34	076	0.46
35	22.35	10.34	076	0.46	35	22.36	10.37	069	0.46
40	22.36	10.37	069	0.46					

CK-20			0200 EST		Weather 02				
24 Sept 52			Depth 41'		Wind 0 Air 17.2°C				
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)				DIR (°T)	SPEED (KTS)
0	21.65	8.55	206	0.22	0	21.72	8.93	018	0.45
5	21.76	8.74	196	0.26	5	21.86	9.13	028	0.38
10	21.83	8.97	0	0.00	10	22.04	9.40	038	0.62
15	21.94	9.23	0	0.00	15	22.22	9.76	038	0.69
20	22.02	9.32	0	0.00	20	22.33	10.06	037	0.77
25	22.10	9.41	019	0.11	25	22.36	10.22	037	0.80
30	22.11	9.51	018	0.14	30	22.37	10.29	036	0.77
35	22.10	9.55	016	0.14	35	22.37	10.31	065	0.74
40	22.10	9.56	059	0.16	40	22.37	10.31	044	0.62

CK-20			0400 EST		Weather 02				
24 Sept 52			Depth 41'		Wind 0 Air 17.2°C				
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)				DIR (°T)	SPEED (KTS)
0	21.72	8.93	018	0.45	0	21.72	8.93	018	0.45
5	21.86	9.13	028	0.38	5	22.04	9.40	038	0.62
10	22.04	9.40	038	0.62	10	22.22	9.76	038	0.69
15	22.22	9.76	038	0.69	15	22.33	10.06	037	0.77
20	22.33	10.06	037	0.77	20	22.36	10.22	037	0.80
25	22.36	10.22	037	0.80	25	22.37	10.31	065	0.74
30	22.37	10.29	036	0.77	30	22.37	10.31	044	0.62
35	22.37	10.31	065	0.74	35	22.37	10.31	044	0.62
40	22.37	10.31	044	0.62					

CK-20		0500 EST	Weather 02	
			Wind 0	
24 Sept 52		Depth 41'	Air 18.3°C	
DEPTH		TEMP	SALINITY	CURRENT
(FT.)		(°C)	(‰)	DIR (°T)
0		21.70	9.30	050
5		21.79	9.40	050
10		21.81	9.50	050
15		21.96	9.63	049
20		22.03	9.69	049
25		22.08	9.76	049
30		22.20	9.88	049
35		22.21	9.90	049
40		22.23	9.94	048
				SPEED (KTS)
				0.62
				0.80
				0.62
				0.62
				0.74
				0.85
				0.85
				0.90
				0.95

CK-20		0700 EST	Weather 02	
			Wind 0	
24 Sept 52		Depth 42'	Air 17.8°C	
DEPTH		TEMP	SALINITY	CURRENT
(FT.)		(°C)	(‰)	DIR (°T)
0		21.63	9.63	036
5		21.83	9.78	036
10		21.87	9.84	056
15		22.04	9.95	036
20		22.13	9.98	036
25		22.14	10.08	036
30		22.25	10.43	036
35		22.26	10.48	036
40		22.27	10.50	026
				SPEED (KTS)
				0.47
				0.39
				0.47
				0.47
				0.44
				0.44
				0.39
				0.39

CK-20		0600 EST	Weather 02	
			Wind 0	
24 Sept 52		Depth 42'	Air 16.7°C	
DEPTH		TEMP	SALINITY	CURRENT
(FT.)		(°C)	(‰)	DIR (°T)
0		21.66	9.40	039
5		21.71	9.43	039
10		21.83	9.59	040
15		21.92	9.71	039
20		22.01	9.77	038
25		22.13	9.87	037
30		22.12	9.87	038
35		22.13	9.87	040
40		22.29	10.33	039
				SPEED (KTS)
				0.66
				0.71
				0.66
				0.62
				0.77
				0.77
				0.80
				0.59
				0.56

CK-20		0800 EST	Weather 01	
			Wind 0	
24 Sept 52		Depth 41'	Air 23.9°C	
DEPTH		TEMP	SALINITY	CURRENT
(FT.)		(°C)	(‰)	DIR (°T)
0		21.67	9.60	357
5		21.92	9.78	026
10		21.90	9.86	036
15		21.98	9.92	036
20		22.04	10.01	042
25		22.09	10.12	0
30		22.15	10.40	0
35		22.17	10.48	090
40		22.17	10.50	092
				SPEED (KTS)
				0.17
				0.20
				0.22
				0.24
				0.21
				0.00
				0.00
				0.11
				0.11

CK-20		0900 EST	Weather 05 Wind E-0 Air 23.3°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.40	9.11	232	0.30
5	21.64	9.44	230	0.29
10	21.83	9.61	223	0.19
15	21.87	9.77	216	0.15
20	21.98	10.13	253	0.19
25	22.13	10.39	254	0.15
30	22.14	10.42	254	0.15
35	22.16	10.42	249	0.14
40	22.16	10.44	254	0.17

CK-20		1110 EST	Weather 05 Wind 0 Air 23.3°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.17	8.97	247	0.62
5	21.78	9.41	237	0.62
10	21.75	9.56	237	0.62
15	21.83	9.76	232	0.62
20	21.89	9.85	226	0.56
25	21.93	9.86	239	0.56
30	21.95	9.88	242	0.56
35	22.00	9.95	245	0.56
40	22.16	10.16	245	0.52

CK-20		1000 EST	Weather 05 Wind E-0 Air 22.2°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.83	8.96	251	0.69
5	21.81	9.31	251	0.69
10	21.83	9.66	240	0.53
15	21.77	9.67	220	0.53
20	21.87	9.90	230	0.52
25	21.98	10.02	235	0.55
30	22.16	10.25	237	0.52
35	22.19	10.30	237	0.50
40	22.20	10.37	237	0.43

CK-20		1200 EST	Weather 05 Wind 0 Air 23.9°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.23	8.91	250	0.56
5	21.86	9.34	239	0.62
10	21.86	9.50	229	0.69
15	21.88	9.63	224	0.59
20	21.89	9.68	223	0.66
25	21.95	9.82	229	0.56
30	21.97	9.86	235	0.56
35	21.99	9.88	243	0.56
40	22.08	10.01	244	0.44

CK-26			0800 EST	Weather 01		
25 Sept 52			Depth 31'	Wind NNE-2 Air 16.7°C		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR	SPEED		
0	21.82	6.87	044	0.48		
5	21.82	6.91	044	0.60		
10	21.87	7.29	044	0.76		
15	21.71	7.35	044	0.84		
20	21.67	7.35	019	0.73		
25	21.67	7.36	019	0.67		
28	21.68	7.36	--	--		
29	--	--	019	0.57		

CK-26			1002 EST	Weather 02		
25 Sept 52			Depth 31'	Wind NNE-2 Air 20.0°C		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR	SPEED		
0	21.83	6.97	217	0.24		
5	21.83	7.07	219	0.24		
10	21.83	7.14	216	0.23		
15	21.77	7.23	212	0.21		
20	21.76	7.38	213	0.14		
25	21.73	7.44	0	0.00		
27½	21.67	7.46	0	0.00		

CK-26			0900 EST	Weather 01		
25 Sept 52			Depth 31'	Wind NNE-2 Air 18.3°C		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR	SPEED		
0	21.82	6.90	0	0.00		
5	21.84	6.98	0	0.00		
10	21.87	7.06	0	0.00		
15	21.92	7.24	0	0.00		
20	21.74	7.37	019	0.17		
25	21.71	7.38	012	0.24		
28	21.71	7.38	007	0.24		

CK-26			1102 EST	Weather 02		
25 Sept 52			Depth 30'	Wind NNE-1 Air 21.1°C		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR	SPEED		
0	22.02	6.55	209	0.87		
5	21.80	6.68	209	0.70		
10	21.77	7.00	209	0.57		
15	21.76	7.43	204	0.40		
20	21.73	7.47	204	0.35		
25	21.71	7.50	204	0.28		
27½	21.70	7.52	204	0.23		

CK-26		1200 EST	Weather 01	
			Wind NE-1	
25 Sept 52		Depth 33'	Air 22.2°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.18	6.16	198	1.22
5	21.87	6.38	198	1.05
10	21.82	6.64	198	0.89
15	21.82	7.18	198	0.60
20	21.82	7.21	198	0.60
25	21.82	7.33	198	0.48
26	21.81	7.37	--	--
30	--	--	198	0.57
32	--	--	198	0.78

CK-26		1400 EST	Weather 01	
			Wind NE-1	
25 Sept 52		Depth 30'	Air 23.9°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.31	5.78	212	1.13
5	22.06	6.09	209	0.70
10	22.02	5.30	209	0.60
15	21.90	6.48	209	0.53
20	21.87	6.62	198	0.57
25	21.87	6.67	196	0.45
27	21.87	6.67	186	0.40

CK-26		1300 EST	Weather 01	
			Wind NE-1	
25 Sept 52		Depth 30'	Air 24.4°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.60	5.99	197	0.97
5	22.05	6.13	196	0.93
10	21.90	6.40	197	0.77
15	21.88	6.57	197	0.65
20	21.85	6.81	197	0.65
25	21.84	6.88	197	0.53
27	21.83	6.94	--	--
29	--	--	197	0.45

CK-26		1500 EST	Weather 01	
			Wind NE-1	
25 Sept 52		Depth 30'	Air 25.6°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.36	5.51	202	0.81
5	22.11	5.62	192	0.60
10	22.04	5.80	192	0.45
15	21.93	6.16	202	0.34
20	21.90	6.28	202	0.29
25	21.87	6.53	0	0.00
27	21.86	6.58	0	0.00

CK-26		1600 EST	Weather 01	
			Wind NE-1	Air 26.1°C
25 Sept 52		Depth 30'		
DEPTH	TEMP	SALINITY	CURRENT	
(FT.)	(°C)	(‰)	DIR (°T)	SPEED (KTS)
0	22.27	5.31	219	0.11
5	22.04	5.51	209	0.12
10	21.94	6.02	0	0.00
15	21.92	6.32	058	0.20
20	22.03	6.34	057	0.27
25	21.87	6.39	059	0.28
27	21.87	6.47	049	0.33

CK-26		1800 EST	Weather 00	
			Wind SSE-1	Air 22.8°C
25 Sept 52		Depth 31'		
DEPTH	TEMP	SALINITY	CURRENT	
(FT.)	(°C)	(‰)	DIR (°T)	SPEED (KTS)
0	22.13	5.90	031	0.67
5	22.19	6.00	031	0.78
10	22.23	6.31	041	0.91
15	22.01	6.59	051	0.91
20	22.00	6.60	051	0.87
25	21.99	6.64	041	0.78
28	22.01	6.68	041	0.76

CK-26		1700 EST	Weather 00	
			Wind 0	Air 27.8°C
25 Sept 52		Depth 30'		
DEPTH	TEMP	SALINITY	CURRENT	
(FT.)	(°C)	(‰)	DIR (°T)	SPEED (KTS)
0	22.15	5.48	012	0.28
5	22.03	5.69	022	0.45
10	22.06	5.87	042	0.53
15	22.15	6.14	052	0.50
20	22.13	6.47	072	0.57
25	22.02	6.66	072	0.58
27	21.98	6.80	072	0.58

CK-26		1902 EST	Weather 02	
			Wind SSE-1	Air 20.6°C
25 Sept 52		Depth 31'		
DEPTH	TEMP	SALINITY	CURRENT	
(FT.)	(°C)	(‰)	DIR (°T)	SPEED (KTS)
0	22.05	6.42	061	1.11
5	22.11	6.53	056	1.04
10	22.06	6.71	051	0.97
15	22.02	6.91	046	0.97
20	22.01	7.14	041	0.97
25	22.02	7.32	036	0.94
28	22.04	7.36	011	0.81

CK-26			2000 EST	Weather 02 Wind SSE-1 Air 19.4°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		
			DIR (°T)	SPEED (KTS)	
0	22.04	6.94	059	1.02	
5	22.04	7.20	059	0.83	
10	22.03	7.28	059	0.65	
15	22.02	7.45	055	0.65	
20	22.02	7.58	055	0.59	
25	22.02	7.58	054	0.65	
28	22.02	7.55	059	0.51	

CK-26			2200 EST	Weather 00 Wind 0 Air 18.6°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		
			DIR (°T)	SPEED (KTS)	
0	21.86	7.43	0	0.00	
5	21.85	7.48	028	0.17	
10	21.86	7.66	028	0.27	
15	21.85	7.68	043	0.32	
20	21.82	7.71	038	0.45	
25	21.98	8.03	038	0.45	
28	22.00	8.15	038	0.26	

CK-26			2100 EST	Weather 00 Wind 0 Air 18.9°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		
			DIR (°T)	SPEED (KTS)	
0	22.02	7.72	052	0.88	
5	21.99	7.75	052	0.65	
10	21.97	7.77	052	0.70	
15	21.97	7.77	052	0.65	
20	21.97	7.80	052	0.65	
25	21.98	7.80	052	0.65	
28	21.98	7.84	052	0.51	

CK-26			2300 EST	Weather 04 Wind 0 Air 18.3°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		
			DIR (°T)	SPEED (KTS)	
0	21.84	7.51	215	0.14	
5	21.95	7.75	215	0.11	
10	21.95	7.90	0	0.00	
15	21.93	7.93	0	0.00	
20	21.97	8.11	0	0.00	
25	22.02	8.27	055	0.06	
27	22.02	8.28	055	0.12	

CK-26	0000 EST	Weather 00 Wind 0 Air 17.8°C		
26 Sept 52	Depth 28'			
CURRENT				
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	DIR (°T)	SPEED (KTS)
0	21.61	6.60	207	0.61
5	21.86	7.19	207	0.58
10	21.98	7.94	207	0.56
15	22.02	8.03	207	0.25
20	22.02	8.19	197	0.16
25	22.00	8.23	192	0.11
27	22.00	8.25	0	0.00

CK-26	0200 EST	Weather 04 Wind 0 Air 15.6°C		
26 Sept 52	Depth 28'			
CURRENT				
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	DIR (°T)	SPEED (KTS)
0	21.68	6.27	212	0.97
5	21.84	6.55	212	0.93
10	21.87	6.82	212	0.91
15	22.02	7.61	212	0.64
20	22.02	7.63	212	0.57
25	22.03	7.71	222	0.53
27	22.03	7.71	222	0.40

CK-26	0100 EST	Weather 00 Wind 0 Air 16.7°C		
26 Sept 52	Depth 28'			
CURRENT				
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	DIR (°T)	SPEED (KTS)
0	21.51	6.57	207	0.94
5	21.88	7.18	207	0.89
10	21.92	7.40	207	0.76
15	22.02	7.88	207	0.58
20	22.02	7.95	207	0.45
25	22.02	8.08	207	0.29
27	22.02	8.11	207	0.22

CK-26	0300 EST	Weather 04 Wind 0 Air 15.0°C		
26 Sept 52	Depth 28'			
CURRENT				
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	DIR (°T)	SPEED (KTS)
0	21.71	6.40	220	1.06
5	21.83	6.56	220	0.88
10	21.93	6.81	220	0.77
15	21.95	6.99	210	0.59
20	22.00	7.27	210	0.48
25	22.02	7.42	210	0.35
27	22.02	7.47	210	0.35

CK-26			0400 EST	Weather 04
26 Sept 52			Depth 30'	Wind 0 Air 14.4°C
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.70	6.13	213	0.73
5	21.77	6.24	213	0.70
10	21.86	6.54	213	0.57
15	21.92	6.79	213	0.45
20	21.98	7.14	203	0.31
25	22.00	7.43	0	0.00
30	22.00	7.40	0	0.00

CK-26			0604 EST	Weather 04
26 Sept 52			Depth 31'	Wind 0 Air 14.7°C
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.66	6.11	0	0.00
5	21.82	6.41	040	0.15
10	21.92	6.79	045	0.31
15	21.88	6.88	055	0.32
20	21.86	7.02	055	0.32
25	21.70	7.21	054	0.30
28	21.91	7.57	054	0.28

CK-26			0500 EST	Weather 04
26 Sept 52			Depth 30'	Wind 0 Air 14.4°C
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.66	6.05	193	0.37
5	21.82	6.22	083	0.26
10	21.86	6.42	072	0.17
15	21.95	6.73	062	0.15
20	21.96	6.99	042	0.15
25	21.98	7.24	042	0.21
30	21.99	7.47	042	0.21

CK-26			0700 EST	Weather 03
26 Sept 52			Depth 30'	Wind ENE-1 Air 14.7°C
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.64	6.24	032	0.22
5	21.81	6.46	031	0.31
10	21.87	6.83	043	0.46
15	21.82	6.94	049	0.57
20	21.82	7.26	044	0.43
25	21.86	7.53	040	0.36
29	21.90	7.63	035	0.38

CK-30		0800 EST	Weather 00	
			Wind 0	Air 16.9°C
26 Sept 52		Depth 53'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.59	4.26	302	0.60
5	21.60	4.42	297	0.58
10	21.66	4.53	307	0.60
15	21.68	4.59	317	0.65
20	21.69	4.63	317	0.70
25	21.71	4.64	317	0.65
30	21.72	4.70	317	0.70
35	21.75	4.73	317	0.70
40	21.75	4.81	317	0.77
45	21.77	4.85	330	0.88
50	21.77	4.85	330	0.93

CK-30		1000 EST	Weather 00	
			Wind 0	Air 20.8°C
26 Sept 52		Depth 55'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.92	4.75	290	0.23
5	21.78	4.83	300	0.30
10	21.84	5.02	310	0.31
15	21.83	5.23	315	0.33
20	21.75	5.32	320	0.36
25	21.69	5.35	315	0.53
30	21.69	5.35	315	0.52
35	21.69	5.35	315	0.52
40	21.70	5.35	320	0.50
45	21.70	5.35	325	0.50
50	21.70	5.36	340	0.50
52	--	--	330	0.45

CK-30		0911 EST	Weather 00	
			Wind 0	Air 17.5°C
26 Sept 52		Depth 53'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.68	4.40	300	0.14
5	21.66	4.42	300	0.22
10	21.69	4.65	320	0.59
15	21.71	4.88	320	0.65
20	21.71	4.90	320	0.65
25	21.71	5.10	320	0.65
30	21.71	5.10	320	0.65
35	21.71	5.10	320	0.70
40	21.71	5.11	320	0.65
45	21.71	5.10	320	0.83
50	21.71	5.09	320	0.59

CK-30		1100 EST	Weather 00	
			Wind S-1	Air 23.3°C
26 Sept 52		Depth 53'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.99	4.86	--	--
5	22.01	5.04	063	0.16
10	21.75	5.34	063	0.09
15	21.73	5.40	0	0.00
20	21.72	5.47	0	0.00
25	21.71	5.47	0	0.00
30	21.71	5.49	0	0.00
35	21.72	5.49	0	0.00
40	21.72	5.51	0	0.00
45	21.72	5.52	0	0.00
48	21.73	5.52	0	0.00

CK-30			1200 EST	Weather 01		
26 Sept 52			Depth 52'	Wind 0 Air 27.8°C		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR	SPEED		
0	22.93	4.39	102	0.73		
5	22.74	4.66	102	0.66		
10	21.98	4.90	132	0.52		
15	21.92	5.16	141	0.36		
20	21.87	5.27	142	0.38		
25	21.69	5.44	142	0.41		
30	21.71	5.45	146	0.52		
35	21.71	5.47	146	0.52		
40	21.71	5.47	151	0.48		
45	21.71	5.48	151	0.46		
50	21.72	5.55	156	0.24		
52	--	--	156	0.21		

CK-30			1400 EST	Weather 00		
26 Sept 52			Depth 46'	Wind 0 Air 30.0°C		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR	SPEED		
0	22.96	3.94	106	0.97		
5	22.40	4.04	101	0.88		
10	22.53	4.12	101	0.70		
15	22.39	4.26	111	0.70		
20	22.22	4.28	110	0.77		
25	22.06	4.40	115	0.77		
30	22.02	4.46	123	0.59		
35	22.05	4.52	133	0.70		
40	22.04	4.52	134	0.51		
42	22.02	4.53	--	--		
45	--	--	139	0.51		

CK-30			1300 EST	Weather 01		
26 Sept 52			Depth 50'	Wind 0 Air 27.2°C		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR	SPEED		
0	22.83	4.18	104	0.83		
5	22.33	4.32	105	0.97		
10	22.02	4.48	107	0.93		
15	21.99	4.60	125	0.83		
20	21.95	4.60	131	0.83		
25	21.96	4.64	139	0.77		
30	21.89	4.70	142	0.65		
35	21.84	4.72	144	0.70		
40	21.84	4.72	149	0.77		
45	21.87	4.74	148	0.59		
47	21.84	4.92	148	0.51		

CK-30			1500 EST	Weather 00		
26 Sept 52			Depth 47'	Wind 0 Air 28.9°C		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR	SPEED		
0	22.15	3.84	108	0.97		
5	22.02	3.91	108	0.93		
10	21.98	3.97	115	0.88		
15	22.00	4.01	112	0.83		
20	22.00	4.02	113	0.51		
25	22.01	4.02	118	0.70		
30	22.02	4.02	128	0.93		
35	22.02	4.02	129	0.59		
40	22.05	4.03	137	0.65		
44	22.14	4.03	--	--		
45	--	--	136	0.59		

CK-30			1603 EST	Weather 00		
26 Sept 52			Depth 46'	Wind 0 Air 27.8°C		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR (°T)	SPEED (KTS)		
0	22.13	3.40	108	0.93		
5	22.09	3.61	112	0.77		
10	22.11	3.63	120	0.65		
15	22.11	3.63	117	0.70		
20	22.11	3.63	121	0.77		
25	22.12	3.62	123	0.77		
30	22.13	3.62	133	0.70		
35	22.14	3.61	129	0.65		
40	22.15	3.65	120	0.65		
43	22.14	3.67	--	--		
45	--	--	122	0.59		

CK-30			1800 EST	Weather 00		
26 Sept 52			Depth 45'	Wind 0 Air 23.3°C		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR (°T)	SPEED (KTS)		
0	22.06	3.25	0	0.00		
5	22.06	3.26	0	0.00		
10	22.11	3.38	337	0.14		
15	22.12	3.40	337	0.23		
20	22.15	3.50	337	0.38		
25	22.20	3.61	337	0.48		
30	22.31	3.77	337	0.33		
35	22.31	3.81	337	0.33		
40	22.36	3.88	337	0.35		
43	22.33	3.89	337	0.33		

CK-30			1700 EST	Weather 00		
26 Sept 52			Depth 46'	Wind 0 Air 27.2°C		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR (°T)	SPEED (KTS)		
0	22.05	3.27	101	0.24		
5	22.06	3.27	091	0.15		
10	22.08	3.33	111	0.15		
15	22.09	3.33	121	0.09		
20	22.09	3.33	126	0.14		
25	22.11	3.34	141	0.16		
30	22.11	3.34	145	0.17		
35	22.12	3.40	151	0.20		
40	22.19	3.68	146	0.17		
43	22.20	3.70	--	--		
45	--	--	126	0.14		

CK-30			1900 EST	Weather 00		
26 Sept 52			Depth 47'	Wind 0 Air 22.2°C		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT		DIR (°T)	SPEED (KTS)
			DIR (°T)	SPEED (KTS)		
0	22.03	3.11	319	0.70		
5	22.29	3.70	329	0.65		
10	22.24	3.76	327	0.65		
15	22.20	3.77	337	0.59		
20	22.15	3.78	337	0.70		
25	22.13	3.78	337	0.77		
30	22.13	3.84	339	0.65		
35	22.13	3.88	329	0.77		
40	22.14	3.97	329	0.70		
45	22.13	4.02	319	0.70		

CK-30		2000 EST	Weather 00	
26 Sept 52		Depth 50'	Wind 0 Air 18.9°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.06	3.94	316	0.65
5	22.09	3.93	316	0.65
10	22.10	4.10	316	0.77
15	22.12	4.02	316	0.88
20	22.13	4.18	316	0.88
25	22.18	4.35	316	1.02
30	22.13	4.18	324	0.97
35	22.17	4.37	316	1.14
40	22.18	4.38	336	1.14
45	22.18	4.38	336	0.88
47	22.19	4.37	--	--
50	--	--	336	0.59

CK-30		2200 EST	Weather 00	
26 Sept 52		Depth 52'	Wind 0 Air 17.8°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.05	5.17	305	0.53
5	22.05	5.21	315	0.48
10	22.04	5.32	325	0.73
15	22.04	5.34	325	0.76
20	22.04	5.36	325	0.76
25	22.05	5.42	325	0.91
30	22.05	5.42	325	0.94
35	22.06	5.46	325	0.89
40	22.07	5.50	325	0.89
45	22.08	5.50	325	0.87
50	--	--	315	0.84

CK-30		2100 EST	Weather 00	
26 Sept 52		Depth 47'	Wind 0 Air 18.3°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.05	4.89	315	0.84
5	22.07	4.87	315	0.78
10	22.08	4.87	315	0.84
15	22.09	4.89	305	0.91
20	22.08	4.87	315	1.01
25	22.11	4.86	315	1.06
30	22.12	4.86	315	1.01
35	22.10	4.85	315	1.01
40	22.10	4.85	315	1.09
45	22.10	4.85	305	0.78

CK-30		2300 EST	Weather 00	
26 Sept 52		Depth 52'	Wind 0 Air 17.2°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	22.02	5.60	307	0.40
5	22.02	5.63	312	0.40
10	21.99	5.80	312	0.53
15	21.98	5.92	317	0.57
20	21.98	5.98	317	0.60
25	21.98	6.01	317	0.60
30	21.98	6.02	317	0.64
35	22.00	6.02	317	0.64
40	22.00	6.03	317	0.67
45	22.02	6.04	317	0.64
47	22.02	6.04	--	--
50	--	--	317	0.53

CK-30		0000 EST	Weather 00	
			Wind 0	Air 17.2°C
27 Sept 52		Depth 50'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT DIR (°T)	SPEED (KTS)
0	21.95	5.82	0	0.00
5	21.95	5.83	0	0.00
10	21.94	5.84	0	0.00
15	21.93	5.91	307	0.11
20	21.94	6.01	002	0.16
25	21.95	6.05	002	0.17
30	21.95	6.08	002	0.16
35	21.95	6.15	002	0.20
40	21.95	6.18	002	0.21
45	21.97	6.19	352	0.23
47	21.98	6.20	327	0.25

CK-30		0204 EST	Weather 00	
			Wind NNE-2	Air 17.2°C
27 Sept 52		Depth 51'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT DIR (°T)	SPEED (KTS)
0	21.82	4.74	117	0.89
5	21.93	5.14	117	0.67
10	21.89	5.33	127	0.60
15	21.89	5.34	137	0.60
20	21.86	5.35	137	0.57
25	21.90	5.80	142	0.57
30	21.95	5.96	147	0.53
35	21.99	6.10	147	0.53
40	21.99	6.10	142	0.60
45	21.99	6.12	137	0.57
48	--	--	137	0.48
50	21.99	6.12	--	--

CK-30		0103 EST	Weather 00	
			Wind NNE-2	Air 17.2°C
27 Sept 52		Depth 51'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT DIR (°T)	SPEED (KTS)
0	21.75	5.05	122	0.45
5	21.93	5.54	122	0.28
10	21.92	5.63	122	0.21
15	21.96	6.10	127	0.23
20	21.95	6.12	133	0.21
25	21.95	6.15	133	0.15
30	21.95	6.22	133	0.15
35	21.95	6.23	135	0.12
40	21.95	6.25	141	0.12
45	21.96	6.27	141	0.14
48	21.96	6.27	--	--
50	--	--	151	0.14

CK-30		0304 EST	Weather 00	
			Wind NNE-2	Air 16.7°C
27 Sept 52		Depth 51'		
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT DIR (°T)	SPEED (KTS)
0	21.71	4.91	107	0.93
5	21.77	4.92	107	1.06
10	21.83	5.09	111	1.14
15	21.87	5.13	111	1.18
20	21.87	5.12	116	1.10
25	21.87	5.12	131	1.02
30	21.87	5.08	132	0.88
35	21.82	5.09	132	1.06
40	21.83	5.15	132	1.22
45	21.89	5.32	131	0.93
48	21.94	5.49	--	--
50	--	--	131	0.83

CK-30		0400 EST	Weather 00 Wind NNE-2 Air 15.6°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.79	4.51	099	1.06
5	21.83	4.54	099	0.97
10	21.85	4.66	109	0.88
15	21.85	4.66	119	0.88
20	21.84	4.72	129	0.65
25	21.82	4.73	129	0.65
30	21.83	4.73	134	0.59
35	21.83	4.73	134	0.65
40	21.80	4.75	134	0.51
45	21.78	4.76	134	0.51
46	21.79	4.76	--	--
49	--	--	134	0.51

CK-30		0600 EST	Weather 00 Wind N-2 Air 15.0°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.75	3.79	089	0.83
5	21.77	3.82	089	0.77
10	21.75	4.00	109	0.59
15	21.75	4.02	109	0.51
20	21.75	4.02	109	0.59
25	21.75	4.02	109	0.59
30	21.74	4.02	109	0.59
35	21.75	4.03	109	0.51
40	21.74	4.05	109	0.51
45	21.71	4.09	109	0.51
50	--	--	109	0.59

CK-30		0504 EST	Weather 00 Wind NNE-3 Air 15.0°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0	21.78	4.12	121	0.93
5	21.82	4.23	121	0.88
10	21.80	4.41	124	0.59
15	21.79	4.41	124	0.41
20	21.78	4.41	125	0.51
25	21.78	4.41	131	0.51
30	21.77	4.41	136	0.65
35	21.77	4.41	135	0.65
40	21.79	4.41	135	0.77
45	21.77	4.41	136	0.77
48	--	--	136	0.70

CK-30		0600 EST	Weather 00 Wind N-2 Air 15.0°C	
DEPTH (FT.)	TEMP (°C)	SALINITY (‰)	CURRENT	
			DIR (°T)	SPEED (KTS)
0				
5				
10				
15				
20				
25				
30				
35				
40				
45				
50				

Section B
Chemical Data

Station	Depth (ft)	Date	Time EST	O_2 (ml/L)	pH	Chlorophyll ($\mu\text{g/L}$)	PO_4 at 4°C ($\mu\text{g/L}$)	Turbidity		
								400 μm	600 μm	800 μm
CK-6	0	26 Sept	0641	5.01	7.79	0.74	0.12	0.109	0.052	0.041
	10		0702	4.57	8.05	1.13	0.13	0.109	0.054	0.042
	25		0717	3.29	8.19	7.16	0.16	0.139	0.081	0.066
	40		0735	2.24	7.81	0.37	0.20	0.168	0.105	0.085
CK-12	0	25 Sept	0645	4.54	7.91	3.40	0.13	0.152	0.091	0.070
	10		0700	4.28	7.94	5.62	0.13	0.114	0.086	0.067
	20		0718	3.68	8.06	1.15	0.18	0.125	0.077	0.061
	40		0735	3.44	7.83	1.63	0.14	0.175	0.112	0.091
	60		0754	2.62	7.60	0.92	0.18	0.144	0.087	0.072
CK-20	0	23 Sept	1255	4.49	7.65	0.61	0.26	0.375	0.212	0.163
	10		1316	3.89	7.66	0.82	0.28	0.319	0.174	0.132
	20		1330	4.01	7.70	0.71	0.30	0.351	0.207	0.162
	35		1343	4.17	7.76	0.03	0.31	0.369	0.216	0.168

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